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(71) Applicant (*for all designated States except US*): EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH [Stateless/CH]; CERN L20610, CH-1211 Geneve 23 (CH).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): SYRATCHEV, Igor [RU/FR]; CERN L20610, CH-1211 Geneve 23 (CH).

(74) Agents: NEOBARD, William, John et al.; Kilburn & Strode, 20 Red Lion Street, London WC1R 4PJ (GB).

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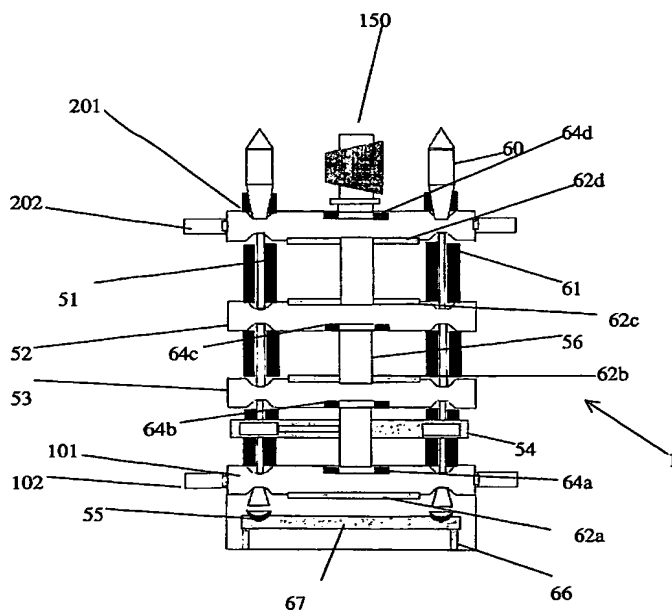
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(54) Title: KLYSTRON AMPLIFIER



(57) Abstract: A klystron has a plurality of electron beam paths and plural damped disc-shaped cavities. The plurality of electron beam paths cut the cavities and the Klystron amplifier further comprises an annular input cavity and an annular output cavity disposed around the substantially circular external periphery of respective disc-shaped cavities, and in communication with it. The output cavity is arranged to receive RF power from the electron beams, wherein the cavities are arranged to support one of a single resonant rotating wave in a whispering-gallery mode, and a single resonant standing wave in a whispering-gallery mode.

WO 2005/059946 A1